

IN THE CLAIMS:

Please amend claims 1-13 and 24-28 add new claim 29, as follows.

1. (Currently Amended) A method of communicating data between a ~~Base Station System~~ base station system (BSS) and a ~~Serving~~ serving GPRS ~~Support Node~~ support node (SGSN), the method ~~of communicating~~ comprising the steps of:

providing protocol data and associated functions, including encapsulating a data packet with a ~~User Datagram Protocol~~ user datagram protocol (UDP) and a Internet Protocol (IP), wherein the user datagram protocol UDP comprises a user datagram protocol UDP port associated with a ~~Network Service Virtual Connection~~ network service virtual connection (NS-VC) and, the Internet Protocol IP provides an Internet Protocol IP address associated with a ~~Network Service Entity~~ network service entity (NSE); and

transmitting the data packet provided with the protocol data.

2. (Currently Amended) The method ~~of communicating~~ as recited in claim 1, wherein the user datagram protocol UDP port is identified as either for real-time or non-real time services.

3. (Currently Amended) The method ~~of communicating~~ as recited in claim 1, wherein the data packet is associated with a ~~Temporary Logical Link Identifier~~ temporary

logical link identifier (TLLI) and a ~~Network Service Access Point Identifier~~ network service access point identifier (NSAPI).

4. (Currently Amended) The method ~~of communicating~~ as recited in claim 3 further comprising ~~the step of~~:

providing a BSSGP ~~Virtual Connection Identifier~~ virtual connection identifier (BVCI), a ~~Network Entity Identifier~~ network service entity identifier (NSEI) and a ~~Link Select Parameter~~ link select parameter (LSP), the BVCI, NSEI and LSP associated with the TLLI and NSAPI, the BVCI identifying a BVC, the NSEI identifying the NSE, the NS-VC identified by the BVCI and the NSEI, the LSP identifying a ~~Network Service Virtual Link~~ network service virtual link (NS-VL) associated with the NS-VC.

5. (Currently Amended) The method ~~of communicating data~~ as recited in claim 1, wherein the data packet comprises a ~~Sub-network Dependent Convergence Protocol~~ sub-network dependent convergence protocol (SNDCP).

6. (Currently Amended) The method ~~of communicating data~~ as recited in claim 5, wherein the data packet further comprises a ~~Logical Link Control~~ logical link control (LLC).

7. (Currently Amended) The method ~~of communicating data~~ as recited in claim 6,

wherein protocol data and associated functions further comprise:

a ~~Base Station System~~ base station system GPRS ~~Protocol~~ protocol (BSSGP);

a network service control;

a data link layer; and

a physical link layer.

8. (Currently Amended) The method ~~of communicating data~~ as recited in claim 7, further comprising ~~the step of~~ receiving the data packet provided with the protocol data.

9. (Currently Amended) The method ~~of communicating data~~ as recited in claim 8, further comprising ~~the step of~~ removing the protocol data and associated functions and the LLC and the SNDCP.

10. (Currently Amended) The method ~~of communicating data~~ as recited in claim 1, wherein the protocol data and associated functions further comprise:

a ~~Sub-network Dependent Convergence Protocol~~ sub-network dependent convergence protocol (SNDCP);

a ~~Logical Link Control~~ logical link control (LLC);

a ~~Base Station System~~ base station system GPRS ~~Protocol~~ protocol (BSSGP);

a network service control;

a data link layer; and

a physical link layer.

11. (Currently Amended) ~~The method of communicating data~~ as recited in claim 10, wherein the SNDCCP provides RTP/UDP/IP header compression and stripping.

12. (Currently Amended) ~~The method of communicating data~~ as recited in claim 10, further comprising ~~the step of~~ receiving the data packet provided with the protocol data.

13. (Currently Amended) ~~The method of communicating data~~ as recited in claim 12, further comprising ~~the step of~~:

removing the physical link layer, the data link layer, the IP, the UDP, the network service control and the BSSGP.

14-23. (Cancelled)

24. (Previously Presented) The method of communicating data as recited in claim 1, wherein the UDP comprises source and destination UDP ports associated with the NS-VC and the IP provides a source and destination IP address associated with the NSE.

25. (Currently Amended) A base station system ~~Base Station System~~ for communicating data with a serving GPRS support node ~~Serving GPRS Support Node~~, the base station system ~~Base Station System~~ comprising:

means for providing protocol data and associated functions, including encapsulating a data packet with a user datagram protocol ~~User Datagram Protocol~~ (UDP) and a Internet Protocol (IP), wherein the user datagram protocol ~~UDP~~ comprises a user datagram protocol ~~UDP~~ port associated with a network service virtual connection ~~Network Service Virtual Connection~~ (NS-VC) and, the Internet Protocol ~~IP~~ provides an Internet Protocol ~~IP~~ address associated with a network service entity ~~Network Service Entity~~ (NSE); and

means for transmitting the data packet provided with the protocol data.

26. (Currently Amended) The base station system ~~Base Station System~~ of communicating data as recited in claim 25, wherein the user datagram protocol ~~UDP~~ comprises source and destination user datagram protocol ~~UDP~~ ports associated with the network service virtual connection ~~NS-VC~~ and the Internet Protocol ~~IP~~ provides a source and destination Internet Protocol ~~IP~~ address associated with the NSE.

27. (Previously Presented) A serving GPRS support Node ~~Serving GPRS Support Node~~ for communicating data with a base station system ~~Base Station System~~,

the serving GPRS support Node ~~Serving GPRS Support Node~~ comprising:

means for providing protocol data and associated functions, including encapsulating a data packet with a User Datagram Protocol (UDP) and a Internet Protocol (IP), wherein the user datagram protocol ~~UDP~~ comprises a user datagram protocol ~~UDP~~ port associated with a network service virtual connection ~~Network Service Virtual Connection~~ (NS-VC) and, the Internet Protocol ~~IP~~ provides an Internet Protocol ~~IP~~ address associated with a network service entity ~~Network Service Entity~~ (NSE); and

means for transmitting the data packet provided with the protocol data.

28. (Currently Amended) The serving GPRS support Node ~~Serving GPRS Support Node~~ of communicating data as recited in claim 27, wherein the user datagram protocol ~~UDP~~ comprises source and destination user datagram protocol ~~UDP~~ ports associated with the network service virtual connection ~~NS-VC~~ and the Internet Protocol ~~IP~~ provides a source and destination Internet Protocol ~~IP~~ address associated with the NSE.

29. (New) An apparatus, comprising:

providing means for providing protocol data and associated functions, including encapsulating a data packet with a user datagram protocol and a Internet Protocol, wherein the user datagram protocol comprises a user datagram protocol port associated with a network service virtual connection and, the Internet Protocol provides an Internet

Protocol address associated with a network service entity; and

transmitting means for transmitting the data packet provided with the protocol data,

wherein the apparatus communicate data between a base station system and a serving GPRS support node.